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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (canceled).

2. (currently amended): A magnetic substance-encapsulated particle,

which comprises an organic polymer material and a magnetic substance having an average particle size of 1 to 30 nm, the magnetic substance being contained within a particle in a state of being dispersed; and

wherein the an absolute deviation of a component ratio between a carbon element composing the organic polymer material and a metal element composing the magnetic substance is 0.3-0.27 or less.

3. (previously presented): The magnetic substance-encapsulated particle according to claim 2,

wherein the magnetic substance is formed by oxidization of a metal ion within a particle in a polymerization process of forming the magnetic substance-encapsulated particle.

4. (original): The magnetic substance-encapsulated particle according to claim 3,

wherein the metal ion is an iron ion.

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5. (previously presented): The magnetic substance-encapsulated particle according to

claim 2,

wherein a main constituent of the organic polymer material is a polymer comprising an

acrylic monomer.

6. (original): The magnetic substance-encapsulated particle according to claim 5,

wherein the acrylic monomer is a monomer having a glycidyl group.

7. (previously presented): The magnetic substance-encapsulated particle according to

claim 2,

wherein a main constituent of the organic polymer material is a polymer comprising a

monomer having a glycidyl group and a styrenic monomer.

8. (original): The magnetic substance-encapsulated particle according to claim 7,

wherein the proportion of a monomer unit derived from the styrenic monomer in the

organic polymer material is 5 to 90% by weight.

9. (canceled):

10. (previously presented): The magnetic substance-encapsulated particle according to

claim 2,

wherein the organic polymer material is crosslinked.

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11. (previously presented): The magnetic substance-encapsulated particle according to claim 2,

which has at least a functional group selected from the group consisting of a carboxyl group, a hydroxyl group, an epoxy group, an amino group, a triethylammonium group, a dimethylamino group and a sulfonic acid group at the surface of the particle.

12. (previously presented): The magnetic substance-encapsulated particle according to claim 2,

wherein an average particle size is 0.05 to $1 \mu m$.

13. (previously presented): The magnetic substance-encapsulated particle according to claim 2,

wherein a content of the magnetic substance is 0.1 to 50% by weight.

14. (previously presented): The magnetic substance-encapsulated particle according to claim 2,

wherein an average particle size of the magnetic substance is 2 to 10 nm.

15. (previously presented): The magnetic substance-encapsulated particle according to claim 2,

wherein a linker having a functional group capable of forming a covalent bond with an antigen or an antibody binds to a particle surface.

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16. (original): The magnetic substance-encapsulated particle according to claim 15, wherein the functional group capable of forming a covalent bond with an antigen or an antibody is an epoxy group.

17. (previously presented): The magnetic substance-encapsulated particle according to claim 15,

wherein the linker is polyethylene glycol diglycidyl ether.

18. (withdrawn): A method of producing a magnetic substance-encapsulated particle according to claim 2 comprising the steps of:

polymerizing a monomer not having a hydrophilic group and/or a monomer having a hydrophilic group in a water solvent to form a particle; and

oxidizing a metal ion while taking in the metal ion into the particle to form a magnetic substance,

the step of forming a particle and the step of forming a magnetic substance being simultaneously performed.

19. (withdrawn): The method of producing the magnetic substance-encapsulated particle according to claim 18,

wherein the monomer not having a hydrophilic group is an acrylic monomer having a glycidyl group, or an acrylic monomer having a glycidyl group and a styrenic monomer.

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20. (withdrawn): The method of producing the magnetic substance-encapsulated particle according to claim 18,

wherein a monomer to form a particle comprises a monomer not having a hydrophilic group and a monomer having a hydrophilic group, and the monomer having a hydrophilic group is polyethylene glycol (meth)acrylate represented by the following general formula (1) or a compound represented by the following general formula (2):

$$CH2=CR-COO-(CH2-CH2-O)n-H$$
 (1)

in the formula, R represents H or CH₃, and n represents an integer of 1 to 20,

$$CH_3$$
— CH = CH
 $O(CH_2CH_2O)_n$ — X
 C_9H_{19}
 (2)

in the formula, X represents H or SO₃NH₄⁺, and n represents an integer of 3 to 30.

21. (withdrawn): The method of producing the magnetic substance-encapsulated particle according to claim 18,

wherein in the step of forming a particle, a reactive emulsifier is added as a copolymerization monomer.

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22. (withdrawn): The method of producing the magnetic substance-encapsulated particle

according to claim 18,

wherein in the step of forming a particle, a polymerization initiator is added afterward.

23. (withdrawn): A particle for immunoassay,

which is obtainable by adsorbing or binding an antigen or an antibody to the magnetic substance-encapsulated particle according to claim 1.

24. (withdrawn): A method of immunoassay,

wherein the magnetic substance-encapsulated particle according to claim 1 is used.

25. (withdrawn): A method of immunoassay,

wherein the magnetic substance-encapsulated particle according to claim 1, is used as a marker.

26. (withdrawn): The method of immunoassay according to claim 24,

wherein an immuno chromatogram method is used.

27. (previously presented): The magnetic substance-encapsulated particle according to

claim 5, which further has polyethyene glycol (meth)acrylate represented by the following

general formula (1)

CH₂=CR-COO-(CH₂-CH₂-O)_n-H (1)

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wherein R represents H or CH₃, and n represents an integer of 1 to 20, as a monomer component of a polymer composing the organic polymer material.

28. (previously presented): The magnetic substance-encapsulated particle according to claim 5, which further has a compound represented by the following general formula (2)

$$CH_3$$
— CH — CH
 $O(CH_2CH_2O)_n$ — X

$$C_0H_{19}$$

$$(2)$$

wherein X represents H or SO₃NH₄⁺, and n represents an integer of 3 to 30, as a monomer component of a polymer composing the organic polymer material: